

## iv. IOP Calculation

## SP-100 Handy Pachymeter

MENU	
TIME-DATE	SOUND
VELOCITY	DATA SEL
PRINTOUT	
Pachy	IOP
SEL	EXIT

## MENU

Press F2 (IOP) to go to IOP Calculation Main.

RIGHT IOP CALCULAT.	
$\Delta P = (554 - CCT) * 0.0450$	
TONOMETRY = 26.0 mmHg	
CCT	= 553 $\mu m$
Adj. IOP = 25.6 mmHg	
R/L	TONO
CCT	EXIT

## IOP Calculation Main

Press F1 (R/L) to change screen for RIGHT / LEFT.

Press F2 (TONO) to go to TONOMETRY INPUT.

Press F3 (CCT) to go to CCT&PARAMETER INPUT.

Press F4 (EXIT) to go back to MENU.

TONOMETRY INPUT	
LEFT	RIGHT
mmHg	26.0 mmHg
1 2 3 4 5 6 7 8 9	
0 -	
R/L	BS
SEL	CALC

## TONOMETRY INPUT

Change values by pressing ◀ ▶ to select a number, then press F3 (SEL) to enter. Press F4 (CALC) to go back to IOP Calculation with Calculation results, if applicable.

CCT INPUT	
LEFT	RIGHT
$\mu m$	553 $\mu m$
1 2 3 4 5 6 7 8 9	
0 -	
R/L	BS
SEL	PARAM

## CCT INPUT

Change values by pressing ◀ ▶ to select a number, then press F3 (SEL) to enter. Press F4 (NEXT) to continue on to PARAMETERS INPUT.

PARAMETERS INPUT	
$\Delta P = (CCT - 554) * 0.0450$	
1 2 3 4 5 6 7 8 9	
0 -	
1/2	BS
SEL	CALC

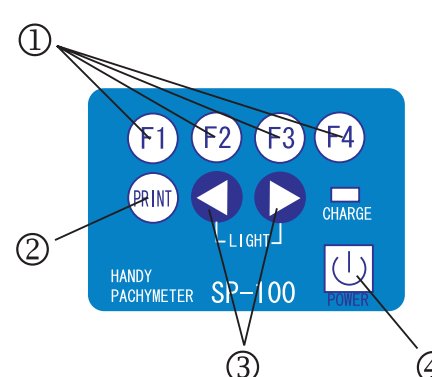
## PARAMETERS INPUT

Change values by pressing ◀ ▶ to select a number, then press F3 (SEL) to enter. Press F1 (1/2) to move highlighted cursor between Parameter 1 and 2.

Press F4 (CALC) to go back to IOP Calculation with Calculation results, if applicable.

## i. Operation Panel

## SP-100 Handy Pachymeter



## ① Function Key

Each key works as displayed on the bottom of the screen

## ② PRINT Key

Press this key to print with built-in Printer

## ③ ◀ ▶ Keys

1, Move highlighted

2, Press both button simultaneously to turn the back light ON and OFF

## ④ POWER Key

Main Power ON and OFF

## ii. Operation Screen

## Measurement Screen

RIGHT	1:	5:
LAST	2:	6:
	3:	7:
	4:	8:
AVG.: 561 $\mu m$ SD: 28.3		
R/L	INDEX	EDIT
		NEW

## EDIT screen

RIGHT	1:	548	5:	583
LAST	2:	572	6:	
	3:	553	7:	
	4:	548	8:	
AVG.: 561 $\mu m$ SD: 28.3				
Pachy	CLR	DEL	MENU	

## Setup Menu screen

MENU	
TIME-DATE	SOUND
VELOCITY	DATA SEL
PRINTOUT	
Pachy	IOP
SEL	EXIT

## ⑤ R / L Key

Select right eye or left eye to be measured

## ⑥ EDIT Key

Press this key to review measured data

## ⑦ NEW Key

Press this key to measure next patient

## ⑧ RIGHT / LEFT Indicator

Indicate selected eye to be measured

## ⑨ CLR Key

Press this key to clear measured data for one eye from the display and memory

## ⑩ DEL Key

Press this key to delete only highlighted data on EDIT screen

## ⑪ MENU Key

Press this key to switch screen into Setup screen (MENU screen)

## iii. Operation

SP-100 Handy Pachymeter

## 1. PRIOR TO USE

- Connect the probe to the terminal and make sure the tip is dry.
- Power ON ④ and the screen shows the ultrasound velocity followed by the measurement screen. If [PROBE ERROR!] appears, check the connection or verify the probe tip is dry.
- Press F1 key (R/L: ⑤) to switch Right eye and Left eye for measurement. ⑧

## 2. MENU

Change Settings: Select EDIT ⑥ then MENU ⑪ to go to Setup. (See next page for details)

## 3. MEASUREMENT

- Apply pachymeter probe tip perpendicular to corneal surface, not pressing hard
- When the unit is on the measurement screen and all conditions are ready, the unit starts measuring automatically. A beep will tell you exactly when the measurement is taken.
- When the measurements of one position is done, two short beeps sound.  
Start measurement for another position, when the cursor on the screen moves next.
- Up to 8 readings can be temporarily stored in the unit. Press R/L ⑤ to switch and take the measurement of another eye.

## 4. EDIT

Press "CLR" ⑨ to clear all the data for one eye. Press "DEL" ⑩ to delete the highlighted data. Both should be pressed and held for a few seconds until they function.

## 5. PRINT

Press "PRINT" ② to print the data. "Standard" gives all patient data as well as all measurement results. "Simple" gives Patient ID and all the measurement results.

## 6. Next Patient

Press "NEW" ⑦ and keep holding it until the unit gives short beep. This clears all patient data and measurement results in order to measure the next eye.

## 7. Shut Down

Press "Power" ④ to turn off the main power. Clean the probe and store it on the probe holder on the right side of the unit.

**Auto Light-Off ---- 1 minute of no operation**

**Auto Power-Off ---- 3, 6 or 10 min. of no operation**

## iv. MENU Options

SP-100 Handy Pachymeter

MENU			
TIME-DATE	SOUND		
VELOCITY	DATA SEL		
PRINTOUT	AUTO OFF		
Pachy	IOP	SEL	EXIT

YEAR MONTH DAY				
2004	/	09	/	24
HOUR MIN.				
16 : 30				
		SEL	EXIT	

SOUND			
-	>	>>	>>>
			EXIT

VELOCITY: 1640 m/s			
			EXIT

DATA SELECTION			
AVERAGE			
LATEST			
MINIMUM			
			EXIT

PRINTOUT			
STANDARD SIMPLE			
			EXIT

## MENU TOP

- TIME-DATE: Setup Time & Date
- SOUND: Beep volume can be changed
- VELOCITY: Ultrasound Velocity for Calculation can be changed
- DATA SEL: Average, Latest and Minimum data display
- PRINTOUT: "Standard" or "Simple" printout mode option
- AUTO OFF: 3, 6 and 10 Min. Auto Power Off time can be adjusted

## TIME-DATE

Change date and time. Press ◀ ▶ cursors to move the items you want to change. Press "SEL" key and press cursors again to change numbers. Press "EXIT" to save and exit from this menu.

## SOUND

Change sound volume. Press ◀ ▶ cursors to change volumes. Press "EXIT" to save and exit from this menu.

## VELOCITY

Change ultrasound velocity. Press ◀ ▶ cursors to change values. Press "EXIT" to save and exit from this menu. The values will be changed from 1,400 to 2,000 m/s.

## DATA SELECTION

AVERAGE: shows average of readings on each position  
LATEST: shows the last measurement result  
MINIMUM: shows minimum reading of measurements  
Press "EXIT" to save and exit from this menu.

## PRINTOUT

Press ◀ ▶ cursors to switch between two options.  
STANDARD: prints all data on the screen  
SIMPLE: prints all data except date and patient name  
Press "EXIT" to save and exit from this menu.